FIG. I

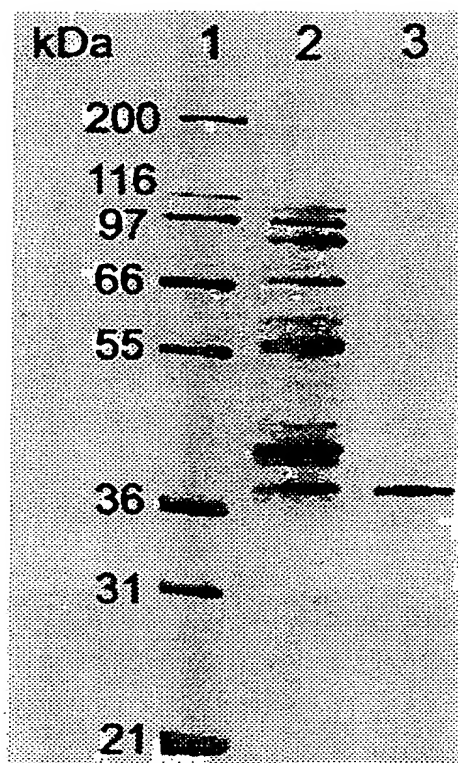# FIG. 2B

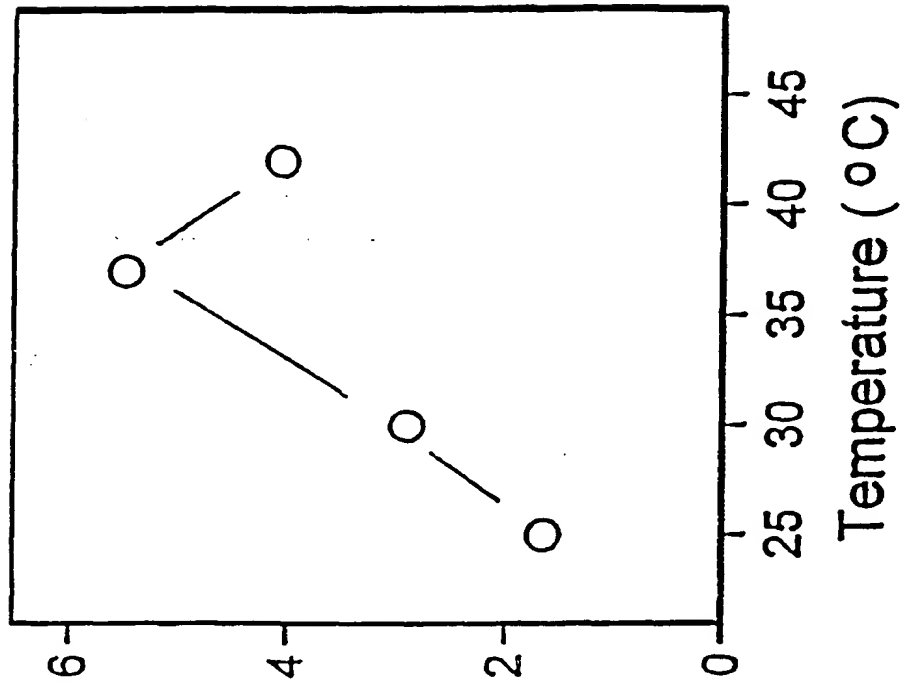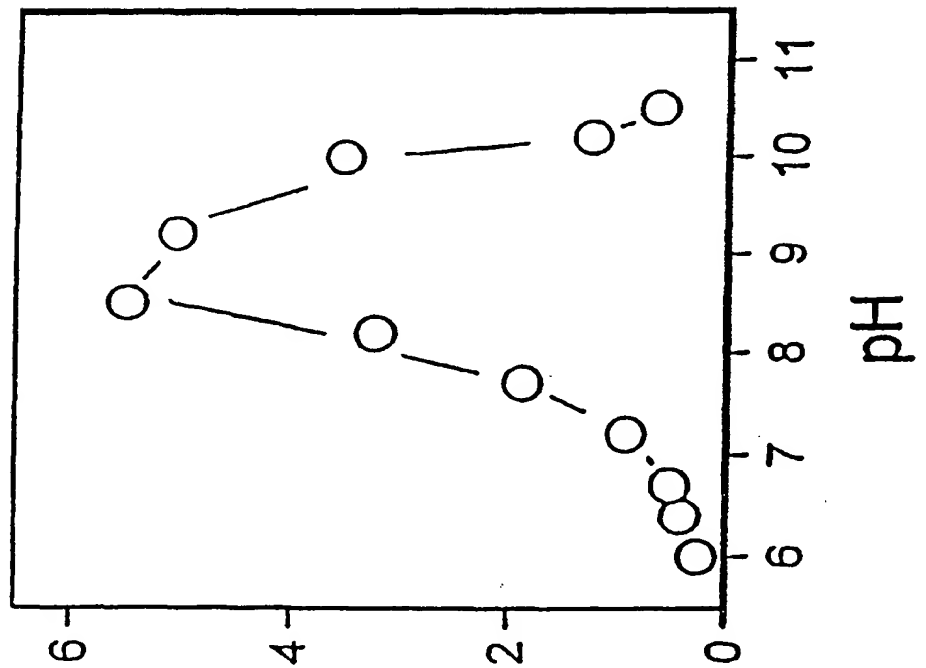# FIG.2A

FIG. 3

FIG. 4B

FIG. 4A

FIG. 5

FIG. 6

nmol D-serine/4 x 10^5 cells

D-serine in culture medium (μM)
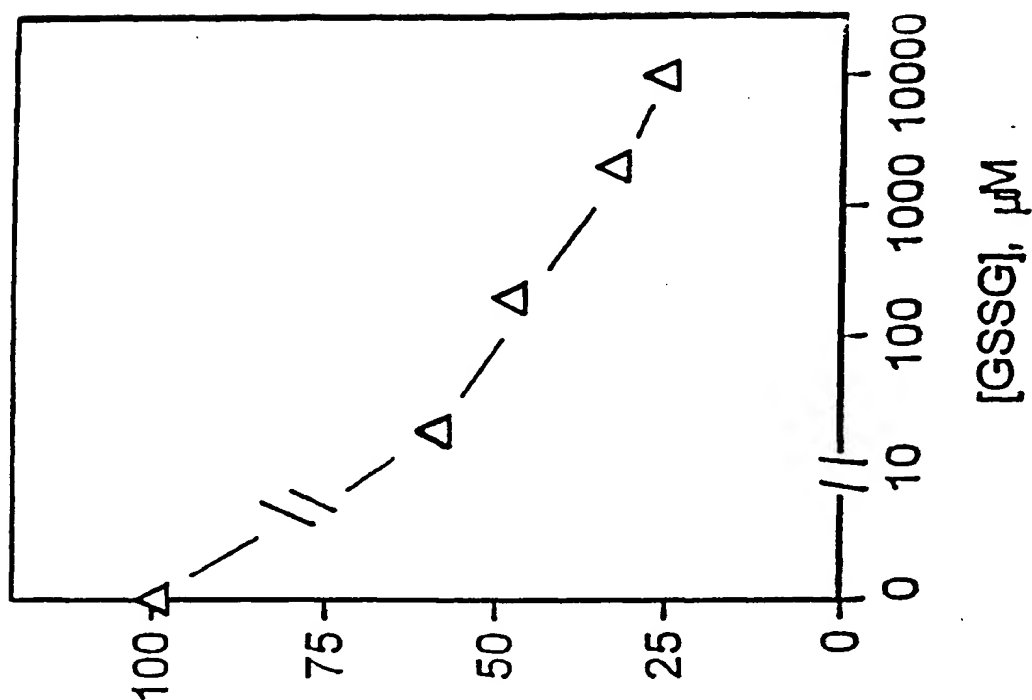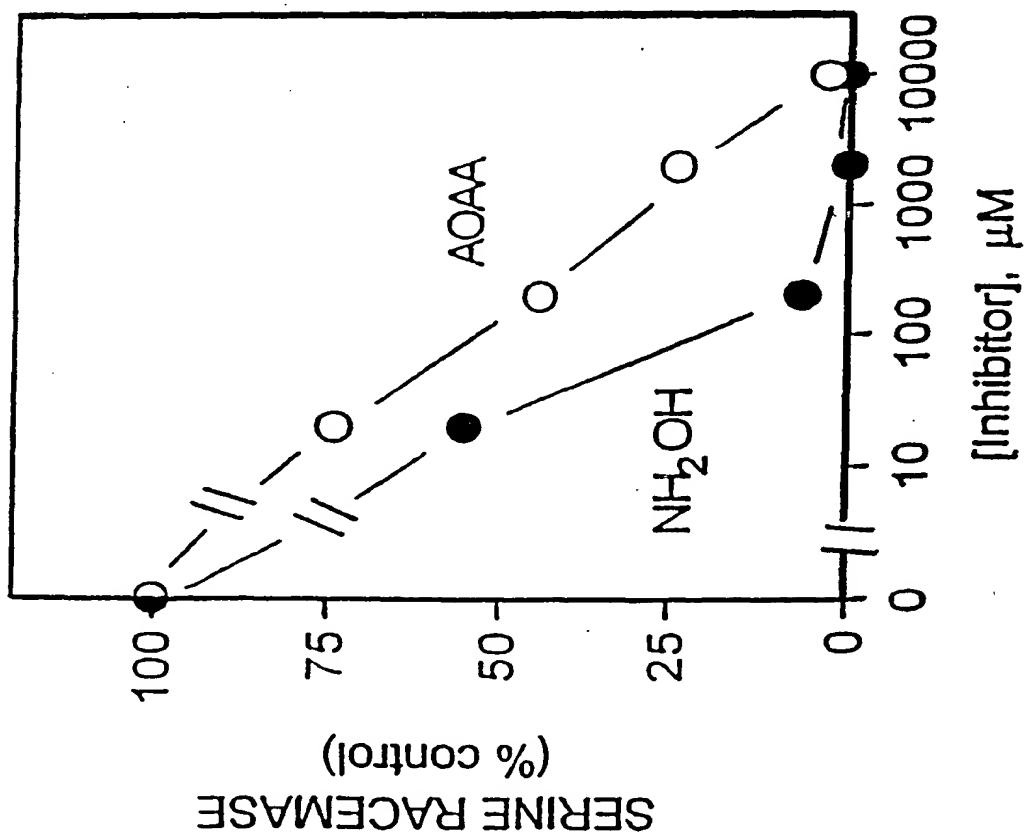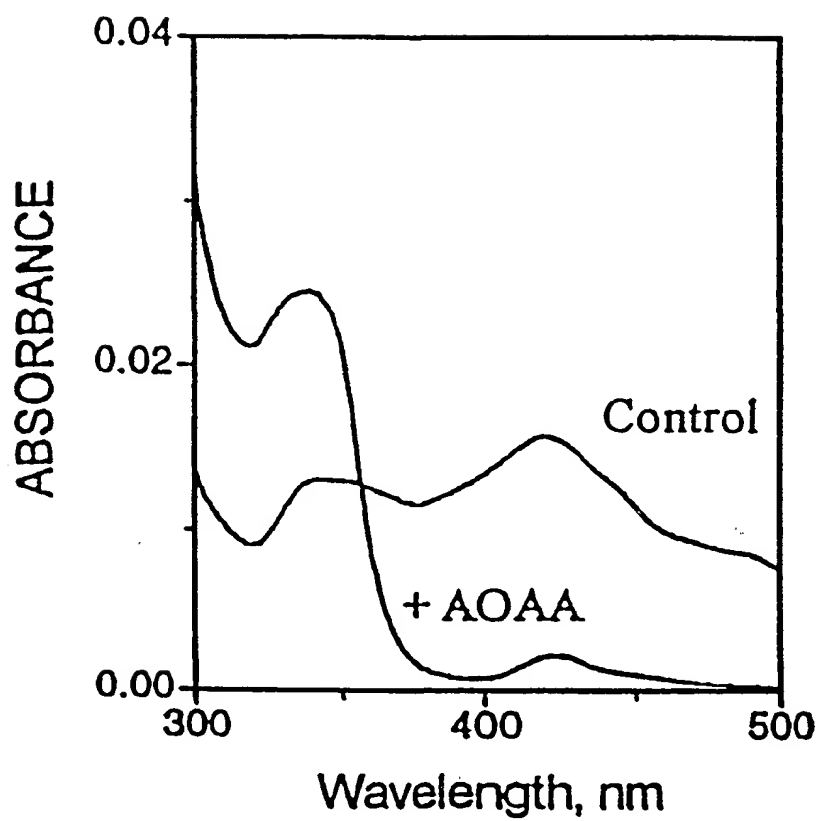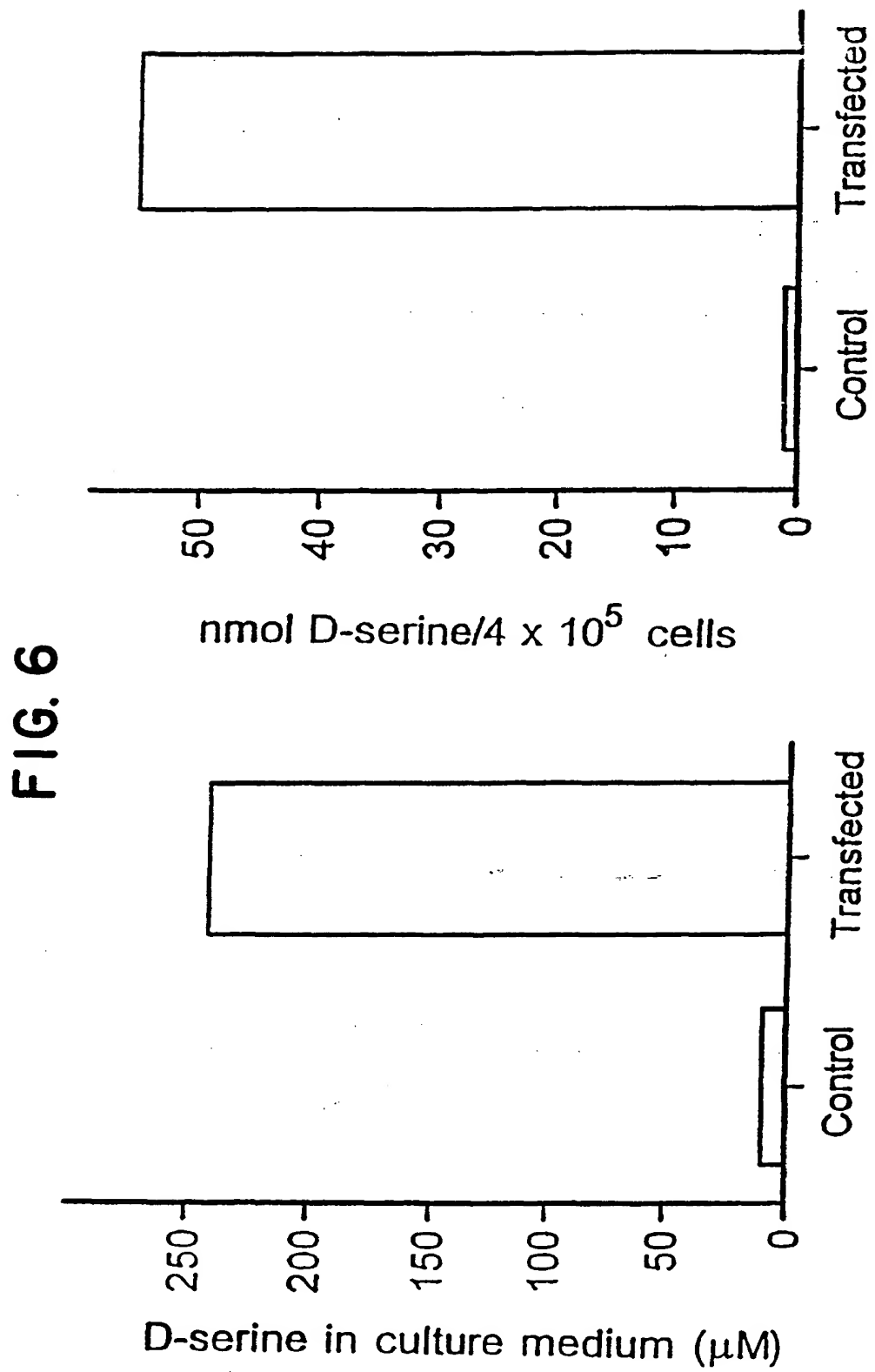
FIG. 7A

Mus musculus serine racemase gene, complete cds

Source: house mouse
Organism : Mus musculus
        Eukaryota; Metazoa; Chordata; Vertebrata; Mammalia; Eutheria;
        Rodentia; Sciurognathi; Muridae; Murinae; Mus.

Strain ="Balb/c"
Dev. Stage = Adult
Tissue type = brain

Gene Starts at 219 and ends 1238

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  1  GACCTTACAC  CCTTTGCCAC  ACTGGTCCTG  GGCCAAGATG  GGCCAATCAA  AGTCCTTACC
 61  CAGAATTTT   TGAACTGAAA  TTGAGAGAGA  ATCCCTCTTC  AGTATGGAAG  CCATAAAATG
121  TAAAACACAG  GAGCTGTCAG  CAGCCATGTG  TCCTGCAGTA  CGGAGCCAGC  TGGTCTGCTG
181  TGAGAAGGAA  GCCGCCGTGC  CAGAGGCAGC  AGAGAACCAT  GTGTGCTCAG  TACTGCATCT
241  CCTTTGCTGA  TGTTGAAAAA  GCTCATATCA  ACATTCAAGA  CTCTATCCAC  CTCACCCCAG
301  TGCTAACAAG  CTCCATTTG   AATCAAATAG  CAGGGGGCAA  TCTTTTCTTC  AAATGTGAGC
361  TCTTCCAGAA  AACTGGGTCT  TTTAAGATTC  GAGGTGCCCT  TAATGCCATC  AGAGGCTTAA
421  TTCCTGACAC  GCCAGAAGAG  AAGCCCAAAG  CCGTAGTTAC  TCACAGCAGC  GGAAACCATG
481  GCCAAGCTCT  CACCTATGCT  GCTAAACTGG  AAGGAATTCC  TGCTTACATT  GTGGTTCCCC
541  AAACAGCTCC  CAACTGCAAG  AAACTGGCAA  TCCAAGCCTA  TGGAGCATCG  ATAGTATACT
601  GTGACCCAAG  TGACGAGTCC  AGAGAAAAGG  TCACTCAAAG  AATTATGCAA  GAAACAGAAG
661  GCATCTTGGT  CCATCCCAAC  CAGGAGCCTG  CAGTGATAGC  TGGACAAGGA  ACAATTGCCC
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FIG. 7B

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721  TGGAAGTGCT GAACCAGGTT CCCTTGGTAG ATGCACTGGT GGTACCAGTA GGAGGAGGAG
781  GAATGGTTGC TGGAATAGCC ATTACAATTA AGGCCCTGAA ACCTAGTGTG AAGGTATACG
841  CTGCTGAGCC CTCGAATGCA GATGACTGCT ACCAGTCTAA ACTGAAAGGA GAACTGACCC
901  CCAATCTTCA TCCTCCAGAA ACCATAGCAG ATGGTGTCAA ATCCAGCATT GGCTTGAATA
961  CCTGGCCTAT TATAAGAGAC CTTGTGGATG AGTCTTCAC TGTCACCGAA GATGAAATCA
1021 AGTATGCAAC CCAGCTGGTG TGGGGGAGAA TGAAACTGCT CATTGAGCCG ACTGCTGGCG
1081 TGGCACTGGC TGCAGTGCTG TCTCAGCATT TCCAAACAGT CTCTCCAGAA GTAAAGAACG
1141 TCTGCATTGT ACTCAGTGGG GGGAATGTAG ACCTAACCTC CCTGAACTGG GTGGGGCAGG
1201 CTGAACGGCC AGCTCCTTAC CAGACGGTTT CTGTTTAAAT TCAGGCAAGA TTGTCTCTAG
1261 ATGAAAATT TGTTTCCATC TTCCCTTTAA AAATTATGTT CAAAATCCTA ATGAAGAAAG
1321 TGTAAGTAAT CATGTAAATT CTGTACTTAG CAGAGACATG GACAACTGAA ATACAGAGCA
1381 CAAGCTGCCT GGTCACAACC CAGACTCCAA CACTGGAGTT TTGGTTGGTT GCAGTAGAGA
1441 CAGAACCCAA CTGAGTCTCT TACTCCATGT CTACTTCAGA CACTGTTGAA GAGATGTCAC
1501 TTTTAACCCA AGGTACTGGC TCTGGTACAT ATGGGTCATA AGTCCACTTG GGAAATACTC
1561 GCTTATAGAG ATTCATTAAT ACTGTGTCCT GAGATTTCAG CTTCCCCAT CAAAACTGCA
1621 CTTTATATGG CCATGGGTAC CTAAAAGTTA AAACAGATAA TTGGTCAAAA AT
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Translation:="MCAQYCISFADVEKAHINIQDSIHLTPVLTSSILNQIAGRNLFFKCELFQKTGSFKIR
GALNAIRGLIPDTPEEKPKAVVTHSSGNHGQALTYAAKLEGIPAYIVVPQTAPNCKKLAIQAYGASIVYCDP
SDESREKVTQRIMQETEGILVHPNQEPAVIAGQGTIALEVLNQVPLVDALVVPVGGGMVAGIAITIKALKP
SVKVYAAEPSNADDCYQSKLKGELTPNLHPPETIADGVKSSIGLNTWPIIRDLVDDVFTVTEDEIKYATQLV
WGRMKLLIEPTAGVALAAVLSQHFQTVSPEVKNVCIVLSGGNVDLTSLNWVGQAERPAPYQTVSV"